

Technical Report

Analysis and facts about the infringement of 98.220.43.119 in June 6, 2012

Lipscomb, Eisenberg & Baker, P.L.

Facs

Client: Malibu Media

Attorney: Lipscomb, Eisenberg & Baker, P.L.

Title: CONNIE ROMANTIC MEMORIES

FileHash : 9CA481711F4532C0AC8CBFD3BA22A74D1EF205E2

IP Address: 98.220.43.119

ISP/ Netblock Owner: Comcast Cable

Geographic Location: Franklin, US

Infringement Details

Our system has detected unauthorized copying and/or distribution of the work above-mentioned by analysing network traffic that proves the infringement flawlessly.

The infringer used the BitTorrent technology (via client software µTorrent 3.1.3) to copy and/or distribute the file(s) listed below.

Session Start	Transfer Start	Transfer End	Session End	Filename
2012-06-06 22:01:07	2012-06-06 22:01:41	2012-06-06 22:01:52	2012-06-06 22:06:52	X-Art - Romantic Memories - Connie [720p].wmv
2012-06-06 22:01:07	2012-06-06 22:01:41	2012-06-06 22:01:52	2012-06-06 22:06:52	X-Art - Romantic Memories - Connie [720p].wmv
2012-06-25 07:36:59	2012-06-25 07:37:41	2012-06-25 07:37:52	2012-06-25 07:42:52	X-Art - Romantic Memories - Connie [720p].wmv
2012-06-25 07:36:59	2012-06-25 07:37:41	2012-06-25 07:37:52	2012-06-25 07:42:52	X-Art - Romantic Memories - Connie [720p].wmv
2012-07-03 19:27:19	2012-07-03 19:27:54	2012-07-03 19:28:05	2012-07-03 19:33:06	X-Art - Romantic Memories - Connie [720p].wmv
2012-07-03 19:27:19	2012-07-03 19:27:54	2012-07-03 19:28:05	2012-07-03 19:33:06	X-Art - Romantic Memories - Connie [720p].wmv
2012-07-28 17:54:04	2012-07-28 17:54:39	2012-07-28 17:54:50	2012-07-28 17:59:49	X-Art - Romantic Memories - Connie [720p].wmv
2012-07-28 17:54:04	2012-07-28 17:54:39	2012-07-28 17:54:50	2012-07-28 17:59:49	X-Art - Romantic Memories - Connie [720p].wmv
2012-07-28 17:54:46	2012-07-28 17:55:52	2012-07-28 17:56:04	2012-07-28 18:01:04	X-Art - Romantic Memories - Connie [720p].wmv
2012-07-28 17:54:46	2012-07-28 17:55:52	2012-07-28 17:56:04	2012-07-28 18:01:04	X-Art - Romantic Memories - Connie [720p].wmv
2012-07-28 18:13:27	2012-07-28 18:14:48	2012-07-28 18:14:59	2012-07-28 18:19:49	X-Art - Romantic Memories - Connie [720p].wmv
2012-07-28 18:13:27	2012-07-28 18:14:48	2012-07-28 18:14:59	2012-07-28 18:19:49	X-Art - Romantic Memories - Connie [720p].wmv
2012-07-30 12:05:50	2012-07-30 12:07:24	2012-07-30 12:07:33	2012-07-30 12:12:33	X-Art - Romantic Memories - Connie [720p].wmv
2012-07-30 12:05:50	2012-07-30 12:07:24	2012-07-30 12:07:33	2012-07-30 12:12:33	X-Art - Romantic Memories - Connie [720p].wmv
2012-07-30 19:48:59	2012-07-30 19:49:45	2012-07-30 19:49:56	2012-07-30 19:54:56	X-Art - Romantic Memories - Connie [720p].wmv
2012-07-30 19:48:59	2012-07-30 19:49:45	2012-07-30 19:49:56	2012-07-30 19:54:56	X-Art - Romantic Memories - Connie [720p].wmv
2012-07-30 19:50:02	2012-07-30 19:50:37	2012-07-30 19:50:48	2012-07-30 19:55:40	X-Art - Romantic Memories - Connie [720p].wmv
2012-07-30 19:50:02	2012-07-30 19:50:37	2012-07-30 19:50:48	2012-07-30 19:55:40	X-Art - Romantic Memories - Connie [720p].wmv
2012-07-30 19:52:08	2012-07-30 19:53:00	2012-07-30 19:53:12	2012-07-30 19:58:12	X-Art - Romantic Memories - Connie [720p].wmv
2012-07-30 19:52:08	2012-07-30 19:53:00	2012-07-30 19:53:12	2012-07-30 19:58:12	X-Art - Romantic Memories - Connie [720p].wmv
2012-07-30 20:30:13	2012-07-30 20:30:48	2012-07-30 20:30:59	2012-07-30 20:35:59	X-Art - Romantic Memories - Connie [720p].wmv
2012-07-30 20:30:13	2012-07-30 20:30:48	2012-07-30 20:30:59	2012-07-30 20:35:59	X-Art - Romantic Memories - Connie [720p].wmv
2012-07-30 20:33:16	2012-07-30 20:33:51	2012-07-30 20:34:03	2012-07-30 20:37:40	X-Art - Romantic Memories - Connie [720p].wmv

Session Start	Transfer Start	Transfer End	Session End	Filename
2012-07-30 20:33:16	2012-07-30 20:33:51	2012-07-30 20:34:03	2012-07-30 20:37:40	X-Art - Romantic Memories - Connie [720p].wmv
2012-07-30 20:36:12	2012-07-30 20:36:46	2012-07-30 20:36:58	2012-07-30 20:37:40	X-Art - Romantic Memories - Connie [720p].wmv
2012-07-30 20:36:12	2012-07-30 20:36:46	2012-07-30 20:36:58	2012-07-30 20:37:40	X-Art - Romantic Memories - Connie [720p].wmv
2012-08-02 15:49:07	2012-08-02 15:50:38	2012-08-02 15:50:49	2012-08-02 15:55:49	X-Art - Romantic Memories - Connie [720p].wmv
2012-08-02 15:49:07	2012-08-02 15:50:38	2012-08-02 15:50:49	2012-08-02 15:55:49	X-Art - Romantic Memories - Connie [720p].wmv
2012-08-02 15:59:02	2012-08-02 15:59:37	2012-08-02 15:59:47	2012-08-02 16:04:47	X-Art - Romantic Memories - Connie [720p].wmv
2012-08-02 15:59:02	2012-08-02 15:59:37	2012-08-02 15:59:47	2012-08-02 16:04:47	X-Art - Romantic Memories - Connie [720p].wmv
2012-08-04 13:47:21	2012-08-04 13:47:56	2012-08-04 13:48:08	2012-08-04 13:53:08	X-Art - Romantic Memories - Connie [720p].wmv
2012-08-04 13:47:21	2012-08-04 13:47:56	2012-08-04 13:48:08	2012-08-04 13:53:08	X-Art - Romantic Memories - Connie [720p].wmv
2012-08-04 14:05:11	2012-08-04 14:05:46	2012-08-04 14:05:57	2012-08-04 14:10:57	X-Art - Romantic Memories - Connie [720p].wmv
2012-08-04 14:05:11	2012-08-04 14:05:46	2012-08-04 14:05:57	2012-08-04 14:10:57	X-Art - Romantic Memories - Connie [720p].wmv
2012-08-19 04:43:22	2012-08-19 04:44:23	2012-08-19 04:44:35	2012-08-19 04:49:30	X-Art - Romantic Memories - Connie [720p].wmv
2012-08-19 04:43:22	2012-08-19 04:44:23	2012-08-19 04:44:35	2012-08-19 04:49:30	X-Art - Romantic Memories - Connie [720p].wmv
2012-08-19 04:44:35	2012-08-19 04:45:10	2012-08-19 04:45:22	2012-08-19 04:50:22	X-Art - Romantic Memories - Connie [720p].wmv
2012-08-19 04:44:35	2012-08-19 04:45:10	2012-08-19 04:45:22	2012-08-19 04:50:22	X-Art - Romantic Memories - Connie [720p].wmv
2012-08-19 05:17:25	2012-08-19 05:18:01	2012-08-19 05:18:12	2012-08-19 05:23:12	X-Art - Romantic Memories - Connie [720p].wmv
2012-08-19 05:17:25	2012-08-19 05:18:01	2012-08-19 05:18:12	2012-08-19 05:23:12	X-Art - Romantic Memories - Connie [720p].wmv
2012-08-19 05:23:23	2012-08-19 05:23:58	2012-08-19 05:24:09	2012-08-19 05:29:10	X-Art - Romantic Memories - Connie [720p].wmv
2012-08-19 05:23:23	2012-08-19 05:23:58	2012-08-19 05:24:09	2012-08-19 05:29:10	X-Art - Romantic Memories - Connie [720p].wmv
2012-09-01 01:05:24	2012-09-01 01:05:59	2012-09-01 01:06:10	2012-09-01 01:11:10	X-Art - Romantic Memories - Connie [720p].wmv
2012-09-01 01:05:24	2012-09-01 01:05:59	2012-09-01 01:06:10	2012-09-01 01:11:10	X-Art - Romantic Memories - Connie [720p].wmv
2012-09-01 01:06:41	2012-09-01 01:07:16	2012-09-01 01:07:26	2012-09-01 01:12:26	X-Art - Romantic Memories - Connie [720p].wmv
2012-09-01 01:06:41	2012-09-01 01:07:16	2012-09-01 01:07:26	2012-09-01 01:12:26	X-Art - Romantic Memories - Connie [720p].wmv
2012-09-01 01:09:53	2012-09-01 01:10:50	2012-09-01 01:11:01	2012-09-01 01:16:01	X-Art - Romantic Memories - Connie [720p].wmv
2012-09-01 01:09:53	2012-09-01 01:10:50	2012-09-01 01:11:01	2012-09-01 01:16:01	X-Art - Romantic Memories - Connie [720p].wmv
2012-09-09 17:34:36	2012-09-09 17:35:10	2012-09-09 17:35:21	2012-09-09 17:40:15	X-Art - Romantic Memories - Connie [720p].wmv
2012-09-09 17:34:36	2012-09-09 17:35:10	2012-09-09 17:35:21	2012-09-09 17:40:15	X-Art - Romantic Memories - Connie [720p].wmv

Packet Sniffer - Summary

We've monitored the affected network connection from the infringer to us gapless, as you can see on page #6. To prove the offense in later time, we archived the full-size packet dump to reconstruct the case restoring the whole transferred data.

Shortened, we can extract the following process from the network packet dumps.

Line # Description

- 2 BitTorrent Handshake initialization by the opponent in this session.
- 3 We confirm the handshake request.
- 4 Opponent sent information about pieces that already have been downloaded successfully.
- 7 We pretend the interest of the piece(s) offered by the opponent.
- 8 Opponent has sent us a positive reply, meaning we should go forward.
- 9 We request the correlating torrent piece from the opponent.
- 10 Opponent sends us the requested piece.

Packet Sniffer - Results

The following logfile shows the network activity between the file-sharing user and our systems.

Explanation of the columns

#	Consecutive numbering.
Date, Time	Moment of the communication.
Source (IP:Port), Destination (IP:Port)	Source describes the IP address of the sender; Destination describes the IP address of the receiving side. The communication is like an dialog in which both parties are sending and receiving network packets. Our systems may request pieces, so it also can be the sender. But it comes down to an infringement when the sender is sending a piece to us.
Protocol	Describes the used networking protocol was used to send the packet.
Length	Length of the network packet.
Data	Short and human readable information about the packet content was being sent/received.

#	Date, Time	Source (IP:Port)	Destination (IP:Port)	Protocol	Length	Data
1	Jun 6, 2012 22:01:07.064385000 UTC	98.220.43.119:49820	192.168.116.200:22719	TCP	66	49820 > 22719 [SYN] Seq=0 Win=8192 Len=0 MSS=1460 WS=4 SACK_PERM=1
2	Jun 6, 2012 22:01:07.190956000 UTC	98.220.43.119:49820	192.168.116.200:22719	BitTorrent	122	Handshake 9ca481711f4532c0ac8cbfd3ba22a74d1ef205e2
3	Jun 6, 2012 22:01:07.191683000 UTC	192.168.116.200:22719	98.220.43.119:49820	BitTorrent	541	Handshake Extended Bitfield, Len:0x150 9ca481711f4532c0ac8cbfd3ba22a74d1ef205e2
4	Jun 6, 2012 22:01:08.545745000 UTC	98.220.43.119:49820	192.168.116.200:22719	BitTorrent	868	Extended Bitfield, Len:0x150 Have, Piece (Idx:0x8cb) Have, Piece (Idx:0x8d3) Have, Piece (Idx:0x840) Have, Piece (Idx:0x268) Have, Piece (Idx:0x354) Have, Piece (Idx:0x22a) Have, Piece (Idx:0x3f9) Have, Piece (Idx:0x9e7) Have, Piece (Idx:0x5e5) Have, Piece (Idx:0x86e) Have, Piece (Idx:0x144) Have, Piece (Idx:0x9d5) Have, Piece (Idx:0x6b7) Have, Piece (Idx:0x1fc) Have, Piece (Idx:0x1fe) Have, Piece (Idx:0x7e3) Have, Piece (Idx:0x1d0) Have, Piece (Idx:0x3e1) Have, Piece (Idx:0x7f0) Have, Piece (Idx:0x8ed) Have, Piece (Idx:0x83a) Have, Piece (Idx:0x2aa) Have, Piece (Idx:0x52e) Have, Piece (Idx:0x9fe) Port
5	Jun 6, 2012 22:01:08.782933000 UTC	192.168.116.200:22719	98.220.43.119:49820	BitTorrent	61	Port
6	Jun 6, 2012 22:01:24.102043000 UTC	98.220.43.119:49820	192.168.116.200:22719	BitTorrent	134	Extended
7	Jun 6, 2012 22:01:38.780079000 UTC	192.168.116.200:22719	98.220.43.119:49820	BitTorrent	59	Interested
8	Jun 6, 2012 22:01:39.030260000 UTC	98.220.43.119:49820	192.168.116.200:22719	BitTorrent	60	Unchoke
9	Jun 6, 2012 22:01:39.031174000 UTC	192.168.116.200:22719	98.220.43.119:49820	BitTorrent	71	Request, Piece (Idx:0x351, Begin:0x0, Len:0x4000)
10	Jun 6, 2012 22:01:52.762778000 UTC	98.220.43.119:49820	192.168.116.200:22719	BitTorrent	391	Piece, Idx:0x351, Begin:0x0, Len:0x4000
11	Jun 6, 2012 22:02:22.763571000 UTC	192.168.116.200:22719	98.220.43.119:49820	BitTorrent	58	BitTorrent